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25X1

IDEA 0840-69
Copy 12 of 13

2 September 1969

MEMORANDUM FOR: See Distribution

SUBJECT: U-2C/G and U-2R Comparative Data

REFERENCE: Memorandum dated 16 May 1969, Subject: Same (IDEA 0479-69)

Revised attachment reflects latest flight performance data provided in a recent change to the U-2R Handbook. Attachment to referenced memorandum may be destroyed.

25X1

Lt. Colonel, USAF
Chief, IDEALIST Division, OSA

Attachment - 1
As stated

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C/IDEA/OSA/ aea (2 Sep 69)
Distribution:
#1 - D/SA
#2 - DD/SA
#3 - D/O/OSA
#4 - D/M/OSA
#5 - IDEA/OSA
#6 - SAS/OSA
#7 - COMPT/OSA
#8 - SS/OSA
#9 - INTEL/OSA
#10 - WEA/OSA
#11 - COMMO/OSA
#12 - RB/OSA
#13 - R&D/OSA

USAF review(s) completed.

GROUP 1
Excluded from automatic downgrading and declassification

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IDEA 0840-69
Attachment

U-2C/G AND U-2R COMPARATIVE DATA

AIRCRAFT	U-2C/G	U-2R
WING SPAN	80 FT	103.3 FT
WING AREA	600 SQ FT	1000 SQ FT
LENGTH	49.7 FT	63.1 FT
HOR STAB SPAN	20 FT 5 IN	26 FT 8 IN (150 SQ FT)
VERT FIN HEIGHT (FROM GROUND)	10 FT 5 IN	16.2 FT
PAYLOAD CAPACITY	100 CU FT	178 CU FT
POWER PLANT	J75 P-13B	J75 P-13B
ZERO FUEL WT	14,100 LBS	18,700 LBS
*MAX RANGE MISSION:	1520 GALS	OVERLOAD (2950 GALS)
GROSS TAKE OFF WT	23,980 LBS	37,900 LBS
CRUISE ALT START	57,000 FT	56,500 FT
CRUISE ALT FINISH	67,000 FT	69,500 FT
RANGE	3,650 NM	[redacted] 25X1
FLIGHT TIME	9 HOURS	14.6 HOURS
CRUISE MACH	0.72M	0.715M
*MAX ALTITUDE MISSION:	1320 GALS	(NORMAL LOAD 1960 GALS)
GROSS TAKE OFF WT	22,680 LBS	31,334 LBS
CRUISE ALT START	67,500 FT	67,500 FT

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AIRCRAFT	U-2C/G	U-2R
CRUISE ALT FINISH	[redacted]	25X1
RANGE	[redacted]	25X1
[redacted]		25X1
FLIGHT TIME	6.5 HOURS	9.3 HOURS
25X1 [redacted]		

*BASED ON 100 GAL FUEL RESERVE AT HI CONE.

CARRIER CAPABILITY	NO/YES	YES
OXYGEN DURATION (AT ALTITUDE)	13.5 HOURS	34.7 HOURS
MAX ANGLE OF BANK	28° - 30°	40° - 45°
NORMAL ANGLE OF BANK	12°	20°
RADIUS OF TURN (NORMAL)	11 NM	6.5 NM

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